INFORMATION DISCLOSURE CITATION PTO-1449	ATTY. DOCKET NO. SUN-P9324-MEG	APPLICATION NO. 10/637,165
	APPLICANT Marc Tremblay, et al.	
	FILING DATE 08 August 2003	GROUP ART UNIT ~~2122~~ 2109

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation Yes	Translation No
/MZ/	WO 01 93028 A2	6 December 2001	PCT				
/MZ/	WO 03/054693	3 July 2003	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/MZ/	"The Potential for Using Thread-Level Data Speculation to Facilitate Automatic Parallelization", by J. Gregory Steffan et al., 1998, IEEE, Pages 2-13.

EXAMINER /Meng Yao Zhe/	DATE CONSIDERED 04/11/2007

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FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/MZ/	"Lock-Based Programs and Transactional Lock-Free Execution", by Ravi Rajwar et al., University of Wisconsin-Madison Technical Report #1440, April 2002.
/MZ/	"Speculative Locks for Concurrent Execution of Critical Sections in Shared-Memory Multiprocessors", by Jose F Martinez et al., Workshop on Memory Performance Issues, International Symposium on Computer Architecture, June 2001.
/MZ/	"Transactional Memory: Architectural Support for Lock-Free Data Structures", by Maurice Herlihy.
/MZ/	"Speculative Locks for Concurrent Execution of Critical Sections in Shared-Memory Multiprocessors", by Jose F. Martinez et al., Technical Report UIUCDCS-R-2001-2202, February 2001.
/MZ/	"Transactional Lock-Free Execution of Lock-Based Programs", by Ravi Rajwar, Proceedings of the Tenth International Conference on Architectural Support for Programming Languages and Operating Systems, Oct. 6-Oct. 9, 2002, San Jose, CA.

EXAMINER /Meng Yao Zhe/	DATE CONSIDERED 04/11/2007

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EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/MZ/	Publication: "Speculative Synchronization: Applying Thread-Level Speculation to Explicitly Parallel Applications" by Jose F. Martinez and Josep Torrellas, Dept. of Computer Science, University of Illinois at Urbana-Champaign, Urbana, IL 61801 USA, http://iacoma.cs.uiuc.edu, XP-002285169, published in ASPLOS X, 10-2002, Pgs. 18-29.
/MZ/	Publication: "Speculative Lock Elision: Enabling Highly Concurrent Multithreaded Execution" by Ravi Rajwar and James R. Goodman, Computer Sciences Department, University of Wisconsin-Madison, Madison, WI 53706 USA, rajwar@cs.wisc.edu, XP-001075852, published in IEEE Journal 1-12-2001, Pgs. 294-305.
/MZ/	Publication: "Transactional Memory: Architectural Support for Lock-Free Data Structures" by Maurice Herlihy, Digital Equip. Corp. Cambridge Research Laboratory, Cambridge, MA 02139, herlihy@crl.dec.com and J. Eliot B. Moss, Dept. of Computer Science, University of Massachusetts, Amherst, MA 01003, moss@cs.umass.edu, XP-000380375, published in Computer Architecture News, May 21, 1993, Pgs. 289-300
/MZ/	Publication: "Enhancing Software Reliability with Speculative Threads" by Jeffrey Oplinger and Monica S. Lam, Computer Systems Laboratory, Stanford University, jeffop@stanford.edu, XP-002285168 published in ASPLOS X, 10-2002, Pgs. 184-196

EXAMINER /Meng Yao Zhe/	DATE CONSIDERED 04/11/2007

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U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
/MZ/	6,460,124	10-2002	Kagi et al.	711	163	
/MZ/	2002/0087810	07-2002	Boatright et a.	711	145	
/MZ/	2004/0186970	09-2004	Kekre et al.	711	62	
/MZ/	2004/0162948	08-2004	Tremblay et al.	711	137	
/MZ/	2003/066056	04-2003	Petersen et al.	717	137	
/MZ/	6,578,088	06-2003	Singhal et al.	707	8	
/MZ/	6,360,220	03-2002	Forin	707	8	
/MZ/	5,940,827	08-1999	Hapner et al	707	8	

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation Yes	Translation No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/MZ/	Publication entitled "Speculation-Based Techniques for Transactional Lock-Free Execution of Lock-Based Programs", by Ravi Rajwar, Online! 2002, XP002286237, Retrieved from the internet: URL:http://bbcr.uwaterloo.ca/{brecht/courses/856/readings-new/rajwar02speculationsbased.pdf
/MZ/	Publication entitled "Checkpoint Processing and Recovery: Towards Scalable Large Instruction Window Processors", by Haitham Akkary et al., Proceedings of th e 36th International Symporuim on Microarchitecture, 2003, IEEE
/MZ/	Publication entitled "Multiple Reservations and the Oklahoma Update", by Janice M. Stone et al., IEEE Parallel & Distributed Technology, November 1993, Pages 58-71.

EXAMINER /Meng Yao Zhe/	DATE CONSIDERED 04/11/2007

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U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
/MZ/	2003/0079094	07-2002	Rajwar et al.	711	150	
/MZ/	2002/0178349	11-2002	Shibayama et al.	712	235	
/MZ/	6,681,311	01-2004	Gaskins, et al.	711	203	

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation Yes	Translation No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/MZ/	Publication entitled "Improving the Throughput of Synchronization by Insertion of Delays", by Ravi Rajwar et al. Proceedings of the Sixth International Symposuim on High-Performance Computer Architecture, 8-12 January 2000, Pages 168-179.
/MZ/	Publication entitled "Checkpoint Processing and Recovery: An Efficient, Scalable Alternative to Reorder Buffers" Haitham Akkary et al. IEEE Computer Society, November-December 2003, Pages 11-19.
/MZ/	Publication entitled "Multi-view Memory to Support OS Locking For Transaction Systems", P. Bodorik et al., IEEE, 1997, Pages 309-318.
/MZ/	Publication entitled "Indexing for Multiversion Locking: Alternatives and Performance Evaluation", Paul M. Bober et al, IEEE Transactions on Knowledge and Data Engineering, Vol. 9, No1, January-February 1997, Pages 68-84.
/MZ/	Publication entitled: "Transactional Execution: Toward Reliable, High-Performance Multithreading" by Ravi Rajwar et al. IEEE Computer Society, November-December 2003, Pages 117-125

EXAMINER	/Meng Yao Zhe/	DATE CONSIDERED	04/11/2007

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U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
/MZ/	6,185,577	02-2001	Nainani et al.			
/MZ/	6,941,449	09-2005	Ross	712	35	
/MZ/	6,021,480	03-2002	Pettey	711	201	
/MZ/	6,918,012	07-2005	Venkitakrishnan et al	711	150	
/MZ/	5,701,432	12-1997	Wong et al.	711	130	
/MZ/	5,974,438	10-1999	Neufeld	718	104	
/MZ/	5,428,761	06-1995	Herlihy et al.	711	130	
/MZ/	5,835,764	11-1998	Platt et al.	718	101	
/MZ/	5,742,785	04-1998	Stone et al.	712	217	

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/MZ/	"Structured Computer Organization" by Andrew S. Tanenbaum, Published 1999, pages 5, 7-8
/MZ/	"The Transaction Concept: Virtues and Limitations" by Jim Gray. Pro. Int'l Conf. Very Large Databases, Morgan Kaufman, 1981. pages 144-154
/MZ/	"Toward Efficient and Robust Software Speculative Parallelization on Multiprocessors" by Marcelo Cintra and Diego R. Lianos, PPoPP' 03 June 11-13, 2003 ACM 1-58113-588-2/03/0006 pages 13-24.
/MZ/	"Microsoft Computer Dictionary" Fifth Edition, pub 2002, page 378
/MZ/	

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